

## INTERNATIONAL SEARCH REPORT

Int. Application No

PCT/IB 03/05450

A. CLASSIFICATION OF SUBJECT MATTER  
 IPC 7 G11B27/00 G11B27/10

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G11B G07F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 664 542 A (PIONEER ELECTRONIC CORP) 26 July 1995 (1995-07-26)	1,8-12
Y	MD jukebox with object inserting detection means column 3, line 19 - line 30 figures 2,3	2-7
Y	US 5 734 630 A (NISHIGORI TADASU ET AL) 31 March 1998 (1998-03-31) bar code reader for CD case column 1, line 45 - line 67 column 2, line 15 - line 21 column 7, line 13 - line 15 figure 1	2-7

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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

10 May 2004

Date of mailing of the international search report

18/05/2004

Name and mailing address of the ISA

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Ir 1st Application No

PCT/IB 03/05450

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	GB 2 314 451 A (FUJITSU LTD) 24 December 1997 (1997-12-24)	10,11
A	cartridge library storage apparatus page 1, line 23 - line 24 column 3, line 15 - line 18 figure 10 -----	1-9,12
A	WO 99/64969 A (KONINKL PHILIPS ELECTRONICS NV ; PHILIPS SVENSKA AB (SE)) 16 December 1999 (1999-12-16) virtual jukebox (hdd) page 1, line 22 - line 23 page 2, line 32 - page 3, line 2 page 9, line 15 - line 16 page 11, line 15 - line 20 figures 6,7 -----	1-9,12
A	NL 1 006 594 C (DIGITIP B V I O) 19 January 1999 (1999-01-19) bar code reader for CD case abstract; figures 1,3 -----	1-12
A	EP 1 103 967 A (PIONEER CORP) 30 May 2001 (2001-05-30) CD dubbing on a HDD column 1, line 21 - line 26 figure 1 -----	1-12

## INTERNATIONAL SEARCH REPORT

Inte | Application No

PCT/IB 03/05450

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0664542	A	26-07-1995	JP 7210978 A DE 69510099 D1 DE 69510099 T2 EP 0664542 A1 US 5617381 A	11-08-1995 15-07-1999 06-04-2000 26-07-1995 01-04-1997
US 5734630	A	31-03-1998	JP 2904041 B2 JP 8195024 A	14-06-1999 30-07-1996
GB 2314451	A	24-12-1997	JP 10011869 A	16-01-1998
WO 9964969	A	16-12-1999	EP 1403805 A2 EP 1416416 A2 EP 1034501 A2 WO 9964969 A2 JP 2002517862 T TW 497045 B US 6563769 B1 US 2003163211 A1 US 2003163486 A1	31-03-2004 06-05-2004 13-09-2000 16-12-1999 18-06-2002 01-08-2002 13-05-2003 28-08-2003 28-08-2003
NL 1006594	C	19-01-1999	NL 1006594 C2	19-01-1999
EP 1103967	A	30-05-2001	JP 2001155471 A EP 1103967 A2 US 2001008471 A1	08-06-2001 30-05-2001 19-07-2001

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